

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No.	International filing date (day/mo	ny/month/year) Priority date (day/month/year)					
	17 November 2004 (17.11.2004)	, 1	7 November 2003 (17.11.2003)				
PCT/US04/38496 International Patent Classification (IPC) of	or national classification and IPC	<u></u>					
IPC: C12Q 1/68(2006.01);C07H 21/00(2006.01);C07K 14/00(2006.01) USPC: 435/6;536/23.1;530/350							
Applicant							
PTC THERAPEUTICS, INC.							
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 							
2. This REPORT consists of a total of 3 sheets, including this cover sheet.							
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of a total of sheets.							
3. This report contains indications relating to the following items:							
I Basis of the rep	of the report						
II Priority							
III Non-establishm	ent of report with regard to novelty, inventive step and industrial applicability						
IV Lack of unity o							
V Reasoned states	d statement under Article 35(2) with regard to novelty, inventive step or industrial ility; citations and explanations supporting such statement						
VI Certain docume							
VII Certain defects	s in the international application						
VIII Certain observations on the international application							
Date of submission of the demand	Dat	e of completion of	f this report				
17 June 2005 (17.06.2005)		08)					
Name and mailing address of the IPEA/US Authorized office			ou loss h				
Mail Stop PCT, Atm: IPEA/ US Commissioner for Patents LAURA B. GODDARD							
P.O. Box 1450 Alexandria, Virginia 22313-1450	P.O. Box 1450 Alexandria, Virginia 22313-1450 V Telephone No. 571-272-1600						
Facsimile No. (571) 273-3201							



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US04/38496	

I.	Basis	of the report
		regard to the elements of the international application:*
	\boxtimes	the international application as originally filed.
	$\overline{\boxtimes}$	the description:
		pages 1-63 as originally filed
		pages NONE , filed with the demand pages NONE , filed with the letter of
	\square	the claims:
		pages 64-68 as originally filed
		pages NONE, as amended (together with any statement) under Article 19
		pages NONE , filed with the demand pages NONE , filed with the letter of
		the drawings pages 1-8 , as originally filed
		nages NONE filed with the demand
		pages NONE, filed with the letter of
	\boxtimes	the sequence listing part of the description:
		pages 1-12 , as originally filed pages NONE , filed with the demand
		nages NONE filed with the letter of
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the
	lang	uage in which the international application was filed, unless otherwise indicated under this item. se elements were available or furnished to this Authority in the following language which is:
	Ines	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	H	the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).
3.	With	n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the regard preliminary examination was carried out on the basis of the sequence listing:
	\boxtimes	contained in the international application in printed form.
	X	filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4		The amendments have resulted in the cancellation of
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/ fig NONE
5		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
		ocement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in accement sheets which have been furnished to this report since they do not contain amendments (Rules 70.16 and 70.17). ort as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

Form PCT/IPEA/409 (Box I) (July 1998)

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1. STATEMENT							
Novelty (N)	Claims 1-44 and 47-52	YES					
Novelty (N)	Claims 45, 46, 53, 54						
Inventive Step (IS)	Claims 1-44 and 47-52						
	Claims 45, 46, 53, 54	NO					
		YES					
Industrial Applicability (IA)	Claims 1-54						
	Claims NONE						
2. CITATIONS AND EXPLANATIONS Claims 45 and 46 lack novelty under PCT Article 33(2) as being anticipated by US Patent 5,518,885, Raziuddin et al, issued May 21, 1996 Raziuddin et al teach a nucleic acid SEQ ID NO:9 that comprises a fragment (nucleotides 4383-4455) that is 100% identical to SEQ ID NO:1 of the instant application. Given the nucleotide sequence taught by Raziuddin et al comprises SEQ ID NO:1 and is the same sequence as instantly claimed, it would modulate expression of a gene as recited in claim 46. Claims 45 and 46 lack novelty under PCT Article 33(2) as being anticipated by WO 95/28485, Raziuddin et al, published October 26, 1995. Raziuddin et al teach a nucleic acid SEQ ID NO:9 (p. 52-54) that comprises a fragment (nucleotides 4383-4455) that is 100% identical to SEQ ID NO:1 of the instant application. Given the nucleotide sequence taught by Raziuddin et al comprises SEQ ID NO:1 and is the same sequence as instantly claimed, it would modulate expression of a gene as recited in claim 46. Claims 53 and 54 lack novelty under PCT Article 33(2) as being anticipated by Asano et al, Journal of Biological Chemistry, 1997, Vo 272, p. 23477-23480. Asano et al teach a protein with a molecular weight of approximately 48 kDa, which is the only required structure of the protein recited in claim 53. It is noted that sections (b)-(d) of claim 53 do not require a function of the protein. Given the protein taught by Asano et al is a 48 kDa protein as required by the claims, its expression would be regulated by a kinase. Claims 1-44 and 47-52 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the claimed methods as recited in claims 1-27, the cell line recited in claims 28-31, the hybrid recited in claims 32-44, and the nucleic acid of claim 47-48, and the methods of claims 49-52. Claims 1-54 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry. NEW CIT							

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PATENT COOPERATION TREATY

From the

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

DAVID R. MARSH ARNOLD & PORTER LLP 555 TWELFTH STREET, N.W. WASHINGTON, DC 20004-206

PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Rule 71.1)

Date of mailing (day/month/year)

31 JUL 2008

Applicant's or agent's file reference IMPORTANT NOTIFICATION 19025.024 Priority date (day/month/year) International application No. International filing date (day/month/year) 17 November 2003 (17.11.2003) 17 November 2004 (17.11.2004) PCT/US04/38496 Applicant PTC THERAPEUTICS, INC.

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed invention is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

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Form PCT/IPEA/416 (January 2004)

Telephone No. (571) 272-1600

PATENT COOPERATION TREATY

From the

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: DAVID R. MARSH ARNOLD & PORTER LLP 555 TWELFTH STREET, N.W. WASHINGTON, DC 20004-206

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International application No. International filing date (day/month/year)

PCT/US04/38496 17 November 2004 (17.11.2004) 17 November 2003 (17.11.2003)

Applicant

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